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(71) Applicant (for all designated States except US): KONIN-KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

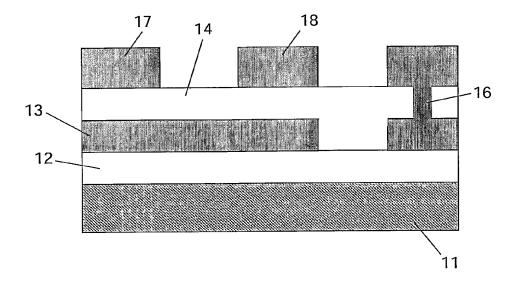
(75) Inventors/Applicants (for US only): GELINCK, Gerwin, H. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). MARSMAN, Albert, W. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). TOUWSLAGER, Fredericus, J. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). DE LEEUW,

**Dagobert, M.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

- (74) Agents: ELEVELD, Koop, J. et al.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
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(54) Title: NON-VOLATILE FERROELECTRIC THIN FILM DEVICE USING AN ORGANIC AMBIPOLAR SEMICONDUCTOR AND METHOD FOR PROCESSING SUCH A DEVICE



(57) Abstract: A non-volatile ferroelectric memory device is proposed which comprises a combination of an organic ferroelectric polymer with an organic ambipolar semiconductor. The devices of the present invention are compatible with - and fully exploit the benefits of polymers, i.e. solution processing, low-cost, low temperature layer deposition and compatibility with flexible substrates.

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